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Sequence Listing was accepted.

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Reviewer: Durreshwar Anjum

Timestamp: [year=2009; month=10; day=20; hr=13; min=50; sec=35; ms=100;
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Application No: 10579393 Version No: 2.0

Input Set:

Output Set:

Started: 2009-10-02 16:11:39.564
 Finished: 2009-10-02 16:11:42.001
 Elapsed: 0 hr(s) 0 min(s) 2 sec(s) 437 ms
 Total Warnings: 26
 Total Errors: 0
 No. of SeqIDs Defined: 33
 Actual SeqID Count: 33

Error code	Error Description
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W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
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W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)
W 213	Artificial or Unknown found in <213> in SEQ ID (21)
W 213	Artificial or Unknown found in <213> in SEQ ID (22)

Input Set:

Output Set:

Started: 2009-10-02 16:11:39.564
Finished: 2009-10-02 16:11:42.001
Elapsed: 0 hr(s) 0 min(s) 2 sec(s) 437 ms
Total Warnings: 26
Total Errors: 0
No. of SeqIDs Defined: 33
Actual SeqID Count: 33

Error code

Error Description

This error has occurred more than 20 times, will not be displayed

SEQUENCE LISTING

<110> NORLUND, HENRI RAINER
 LAITINEN, OLLI HEIKKI
 HYTONEN, VESA PEKKA
 KULOMAA, MARKKU SAKARI

<120> AVIDIN MUTANTS

<130> 3516-1010

<140> 10579393

<141> 2009-10-02

<150> PCT/FI04/000679

<151> 2004-11-15

<150> FI 20031663

<151> 2003-11-14

<160> 33

<170> PatentIn Ver. 3.3

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<211> 152

<212> PRT

<213> Gallus gallus

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 35 40 45

Ser Arg Gly Glu Phe Thr Gly Thr Tyr Ile Thr Ala Val Thr Ala Thr
 50 55 60

Ser Asn Glu Ile Lys Glu Ser Pro Leu His Gly Thr Gln Asn Thr Ile
 65 70 75 80

Asn Lys Arg Thr Gln Pro Thr Phe Gly Phe Thr Val Asn Trp Lys Phe
 85 90 95

Ser Glu Ser Thr Thr Val Phe Thr Gly Gln Cys Phe Ile Asp Arg Asn
 100 105 110

Gly Lys Glu Val Leu Lys Thr Met Trp Leu Leu Arg Ser Ser Val Asn
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<213> Gallus gallus

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20 25 30

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35 40 45

Thr Gly Gln Cys Phe Ile Asp Arg Asn Gly Lys Glu Val Leu Lys Thr
50 55 60

Met Trp Leu Leu Arg Ser Ser Val Asn Asp Ile Gly Asp Asp Trp Lys
65 70 75 80

Ala Thr Arg Val Gly Ile Asn Ile Phe Thr Arg Leu Arg Thr Gln Lys
85 90 95

Glu Gly Gly Ser Gly Gly Ser Ala Arg Lys Cys Ser Leu Thr Gly Lys
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Trp Thr Asn Asp Leu Gly Ser Asn Met Thr Ile Gly Ala Val Asn Ser
115 120 125

Arg Gly Glu Phe Thr Gly Thr Tyr Ile Thr Ala Val Thr Ala Thr Ser
130 135 140

Asn Glu Ile Lys Glu Ser Pro Leu His Gly Thr Gln Asn Thr Ile Asn
145 150 155 160

Lys Ser Gly Gly Ser Thr Thr Val Phe Thr Gly Gln Cys Phe Ile Asp
165 170 175

Arg Asn Gly Lys Glu Val Leu Lys Thr Met Trp Leu Leu Arg Ser Ser
180 185 190

Val Asn Asp Ile Gly Asp Asp Trp Lys Ala Thr Arg Val Gly Ile Asn
195 200 205

Ile Phe Thr Arg Leu Arg Thr Gln Lys Glu Gly Gly Ser Gly Gly Ser
210 215 220

Ala Arg Lys Cys Ser Leu Thr Gly Lys Trp Thr Asn Asp Leu Gly Ser
225 230 235 240

Asn Met Thr Ile Gly Ala Val Asn Ser Arg Gly Glu Phe Thr Gly Thr

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Leu	His	Gly	Thr	Gln	Asn	Thr	Ile	Asn	Lys	Arg	Thr	Gln	Pro	Thr	Phe
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<220>
 <223> Description of Artificial Sequence: Synthetic peptide linker

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<210> 4
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 <212> DNA
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<220>
 <223> Description of Artificial Sequence: Synthetic primer

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 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic primer

<400> 5
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<210> 6
 <211> 20
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<220>

<223> Description of Artificial Sequence: Synthetic primer

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<210> 7
<211> 36
<212> DNA
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<223> Description of Artificial Sequence: Synthetic primer

<400> 7
ggagcctccg gagcctccct ccttctgtgt gcgcag 36

<210> 8
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<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic primer

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<210> 9
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<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic primer

<400> 9
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<210> 10
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<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic primer

<400> 10

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<210> 11

<211> 32

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
primer

<400> 11

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<210> 12

<211> 38

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
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<210> 13

<211> 29

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
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<400> 13

ccggcggatc caccactgtc ttcacgggc 29

<210> 14

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 14

agggtcggct cgaacatctt 20

<210> 15

<211> 20

<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
oligonucleotide

<400> 15
aagatgttgc agccgaccct 20

<210> 16
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<213> Artificial Sequence

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oligonucleotide

<400> 16
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<210> 17
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<212> DNA
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<223> Description of Artificial Sequence: Synthetic
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<400> 17
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<210> 18
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<212> DNA
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<220>
<223> Description of Artificial Sequence: Synthetic
primer

<400> 18
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<210> 19
<211> 18
<212> DNA
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<220>
<223> Description of Artificial Sequence: Synthetic

primer

<400> 19

gacagtggta gatccgcc

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<210> 20

<211> 29

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
primer

<400> 20

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<210> 21

<211> 40

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Synthetic
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<211> 46

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
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<210> 23

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
primer

<400> 23

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<211> 581
<212> PRT
<213> Gallus gallus

<400> 24

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20 25 30

Phe Gly Phe Thr Val Asn Trp Lys Phe Ser Glu Ser Thr Thr Val Phe
35 40 45

Thr Gly Gln Cys Phe Ile Asp Arg Asn Gly Lys Glu Val Leu Lys Thr
50 55 60

Met Trp Leu Leu Arg Ser Ser Val Asn Asp Ile Gly Asp Asp Trp Lys
65 70 75 80

Ala Thr Arg Val Gly Ile Asn Ile Phe Thr Arg Leu Arg Thr Gln Lys
85 90 95

Glu Gly Gly Ser Gly Gly Ser Ala Arg Lys Cys Ser Leu Thr Gly Lys
100 105 110

Trp Thr Asn Asp Leu Gly Ser Asn Met Thr Ile Gly Ala Val Asn Ser
115 120 125

Arg Gly Glu Phe Thr Gly Thr Tyr Ile Thr Ala Val Thr Ala Thr Ser
130 135 140

Asn Glu Ile Lys Glu Ser Pro Leu His Gly Thr Gln Asn Thr Ile Asn
145 150 155 160

Lys Ser Gly Gly Ser Thr Thr Val Phe Thr Gly Gln Cys Phe Ile Asp
165 170 175

Arg Asn Gly Lys Glu Val Leu Lys Thr Met Trp Leu Leu Arg Ser Ser
180 185 190

Val Asn Asp Ile Gly Asp Asp Trp Lys Ala Thr Arg Val Gly Ile Asn
195 200 205

Ile Phe Thr Arg Leu Arg Thr Gln Lys Glu Gly Gly Ser Gly Gly Ser
210 215 220

Ala Arg Lys Cys Ser Leu Thr Gly Lys Trp Thr Asn Asp Leu Gly Ser
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Asn Met Thr Ile Gly Ala Val Asn Ser Arg Gly Glu Phe Thr Gly Thr
245 250 255

Tyr Ile Thr Ala Val Thr Ala Thr Ser Asn Glu Ile Lys Glu Ser Pro
260 265 270

Leu	His	Gly	Thr	Gln	Asn	Thr	Ile	Asn	Lys	Arg	Thr	Gln	Pro	Thr	Phe
		275						280				285			
Gly	Phe	Thr	Val	Asn	Trp	Lys	Phe	Ser	Glu	Gly	Gly	Ser	Gly	Ser	Gly
		290				295				300					
Ser	Gly	Ser	Gly	Ser	Gly	Arg	Thr	Gln	Pro	Thr	Phe	Gly	Phe	Thr	Val
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Asn	Trp	Lys	Phe	Ser	Glu	Ser	Thr	Thr	Val	Phe	Thr	Gly	Gln	Cys	Phe
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Ile	Asp	Arg	Asn	Gly	Lys	Glu	Val	Leu	Lys	Thr	Met	Trp	Leu	Leu	Arg
		340						345				350			
Ser	Ser	Val	Asn	Asp	Ile	Gly	Asp	Asp	Trp	Lys	Ala	Thr	Arg	Val	Gly
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Arg	Thr	Gln	Lys	Glu	Gly	Gly	Ser	Gly	Gly	Ser	Ala	Arg	Lys	Cys	Ser
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Leu	Thr	Gly	Lys	Trp	Thr	Asn	Asp	Leu	Gly	Ser	Asn	Met	Thr	Ile	Gly
		515				520						525			
Ala	Val	Asn	Ser	Arg	Gly	Glu	Phe	Thr	Gly	Thr	Tyr	Ile	Thr	Ala	Val
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545				550						555				560	
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<212> DNA
<213> Gallus gallus

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ttttcagagt ccaccactgt cttcacgggc cagtgttca tagacaggaa tgggaaggag 180
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aacatgacca tcggggctgt gaacagcaga ggtgaattca caggcaccta catcacagcc 780
gtaacagcca catcaaatga gatcaaagag tcaccactgc atgggacaca aaacaccatc 840
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gagggagggt ccggaggctc cgccagaaaag tgctcgctga ctgggaaatg gaccaacgat 1560
ctgggctcca acatgaccat cggggctgtg aacagcagag gtgaattcac aggcacctac 1620
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<211> 897
<212> DNA
<213> Gallus gallus

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gtcctgaaga ccatgtggct gctgcgggtca agtgttaatg acattggtga tgactggaaa 240
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ggaggctccg ccagaaagtg ctgctgact gggaaatgga ccaacgatct gggctccaac 360
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acagccacat caaatgagat caaagagtca ccactgcatg ggacacaaaa caccatcaac 480

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gaggtcctga agaccatgtg gctgctgcgg tcaagtgtta atgacattgg tgatgactgg 600
aaagctacca gggtcggcat caacatcttc actcgctgc gcacacagaa ggagggaggc 660
tccggaggct ccgccagaaa gtgctcgctg actgggaaat ggaccaacga tctgggctcc 720
aacatgacca tcggggctgt gaacagcaga ggtgaattca caggcaccta catcacagcc 780
gtaacagcca catcaaata gatcaaagag tcaccactgc atgggacaca aaacaccatc 840
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<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
primer

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